

**Amendment to the Specification**

Please amend the specification as follows:

Page 2, third full paragraph

Optical rotary transmitters in particular benefit from the aforescribed mechanism, which serve to transfer optical signals between a rotating element and an element remaining stationary in relation to the aforementioned element. An optical emitter means, e.g. a LED, which is moved along the path of a ~~fibre~~ fiber optical waveguide, moves along the ~~fibre~~ fiber optical waveguide which remains stationary, and which is preferably bent to form a closed circle and into which fluorescent molecules are embedded. On account of the lateral radiation into the ~~fibre~~ fiber optical waveguide fluorescent light is produced within the ~~fibre~~ fiber, which is equally guided via internal reflections to the ends of the ~~fibre~~ fiber optical waveguide, where respective optical detector means are provided. With that known device it is possible to transfer optical signals between a rotating element and an element remaining stationary relative to the first element.

Page 3, first full paragraph

With the fluorescent light being produced by spontaneous emission, which is induced in the ~~fibre~~ fiber optical waveguide, the bandwidth of the optical signals to be transmitted is limited by the fluorescent life of the dyes in the ~~fibre~~ fiber. If, however, there is the intention to receive optical signals at a maximum bandwidth possible without any loss of information there are limitations in the form of the known fluorescent dyes.

Page 5, second full paragraph

The afore-described light-guiding object designed in accordance with the invention is configured as a ~~fibre~~ fiber optical waveguide along with which an emitter means is guided. The ~~fibre~~ fiber optical waveguide may, for instance, have the shape of a circle along

OK to enter  
12/27/07  
JP